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## 1 A transparent replication of HTTP service

Vingralek, R.; Breitbart, Y.; Sayal, M.; Scheuermann, P.;

Data Engineering, 1999. Proceedings., 15th International Conference on , 23-26 March 1999

Pages:97

[\[Abstract\]](#)   [\[PDF Full-Text \(16 KB\)\]](#)   **IEEE CNF**

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## 1 Java servlet technology for analogue module generation

Walczowski, L.T.; Waller, W.A.J.;

Electronics, Circuits and Systems, 1999. Proceedings of ICECS '99. The 6th IEEE International Conference on , Volume: 3 , 5-8 Sept. 1999  
Pages:1717 - 1720 vol.3

[\[Abstract\]](#)   [\[PDF Full-Text \(568 KB\)\]](#)   **IEEE CNF**

## 2 Server-side automatic metadata generation using qualified Dublin Core and RDF

Jenkins, C.; Inman, D.;

Digital Libraries: Research and Practice, 2000 Kyoto, International Conference on.  
 , 13-16 Nov. 2000  
 Pages:262 - 269

[\[Abstract\]](#)   [\[PDF Full-Text \(496 KB\)\]](#)   **IEEE CNF**

### 3 A component-based approach for integrating mobile agents into the existing web infrastructure

Marques, P.; Fonseca, R.; Simoes, P.; Silva, L.; Silva, J.G.;

Applications and the Internet, 2002. (SAINT 2002). Proceedings. 2002 Symposium on , 28 Jan.-1 Feb. 2002  
Pages:100 - 108

[\[Abstract\]](#) [\[PDF Full-Text \(370 KB\)\]](#) **IEEE CNF**

#### 4 Integrating mobile agents into off-the-shelf web servers: the M&M approach

Marques, P.; Fonseca, R.; Simoes, P.; Silva, L.; Silva, J.;

Database and Expert Systems Applications, 2001. Proceedings. 12th International Workshop on , 3-7 Sept. 2001  
Pages:677 - 681

[\[Abstract\]](#) [\[PDF Full-Text \(376 KB\)\]](#) IEEE CNF

**5 The WebUmbrella Web-based access to distributed plasma-physics measurement data**

*Niderost, B.; van de Giessen, M.; Lourens, W.; Krom, J.;*

Nuclear Science, IEEE Transactions on , Volume: 49 , Issue: 3 , June 2002

Pages:1579 - 1583

[\[Abstract\]](#) [\[PDF Full-Text \(205 KB\)\]](#) IEEE JNL

**6 An architectural evaluation of Java TPC-W**

*Cain, H.W.; Rajwar, R.; Marden, M.; Lipasti, M.H.;*

High-Performance Computer Architecture, 2001. HPCA. The Seventh International Symposium on , 19-24 Jan. 2001

Pages:229 - 240

[\[Abstract\]](#) [\[PDF Full-Text \(1080 KB\)\]](#) IEEE CNF

**7 Issues on the design of a global university database system**

*Yaoping Wang; Vu Pham; Karmouch, A.;*

Electrical and Computer Engineering, 1999 IEEE Canadian Conference on , Volume: 1 , 9-12 May 1999

Pages:337 - 341 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(452 KB\)\]](#) IEEE CNF

**8 A Web-based collaborative workspace using Java 3D**

*Lihui Wang; Wong, B.; Weiming Shen; Sherman Lang;*

Computer Supported Cooperative Work in Design, The Sixth International Conference on, 2001 , 12-14 July 2001

Pages:77 - 82

[\[Abstract\]](#) [\[PDF Full-Text \(744 KB\)\]](#) IEEE CNF

**9 Java server and servlets, building.portable web applications [book reviews]**

*Nikolaidis, I.;*

Network, IEEE , Volume: 15 , Issue: 1 , Jan.-Feb. 2001

Pages:6 - 8

[\[Abstract\]](#) [\[PDF Full-Text \(284 KB\)\]](#) IEEE JNL

**10 A survey on the Java-based approaches for Web database connectivity**

*Papastavrou, S.; Chrysanthis, P.K.; Samaras, G.; Pitura, E.;*

Electrotechnical Conference, 2000. MELECON 2000. 10th Mediterranean , Volume: 1 , 29-31 May 2000

Pages:290 - 293 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(504 KB\)\]](#) IEEE CNF

**11 Presentation layer framework of Web application systems with server-side Java technology**

*Saimi, A.; Syomura, T.; Suganuma, H.; Ishida, I.;*

Computer Software and Applications Conference, 2000. COMPSAC 2000. The 24th Annual International , 25-27 Oct. 2000

Pages:473 - 478

[\[Abstract\]](#) [\[PDF Full-Text \(464 KB\)\]](#) IEEE CNF

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**12 The development of a betting system on the Internet**

*Ng, K.T.; Siu, Y.M.;*

Information Technology: Coding and Computing, 2000. Proceedings. International Conference on , 27-29 March 2000

Pages:308 - 311

[\[Abstract\]](#) [\[PDF Full-Text \(328 KB\)\]](#) IEEE CNF

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**13 Research on and pure Java realization of a Web-based mobile robot system**

*Qijun Chen; Haixia Geng; Peng-Yung Woo;*

American Control Conference, 2003. Proceedings of the 2003 , Volume: 1 , 4-6 June 2003

Pages:615 - 620 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(424 KB\)\]](#) IEEE CNF

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**14 Performance improvement in image retrieval utilizing image directory on gigabit network for distributing industrial product information**

*Xinlei Wang; Suzuki, K.; Ikeda, H.; Ishimaru, K.; Suzuki, J.;*

Industry Applications Conference, 2003. 38th IAS Annual Meeting. Conference Record of the , Volume: 1 , 12-16 Oct. 2003

Pages:17 - 22 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(751 KB\)\]](#) IEEE CNF

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**15 Fuzzy personalized wireless information agents**

*Yan-Qing Zhang; Wei Fan; Jiannong Cao;*

Fuzzy Systems, 2003. FUZZ '03. The 12th IEEE International Conference on , Volume: 2 , 25-28 May 2003

Pages:1152 - 1156 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(418 KB\)\]](#) IEEE CNF

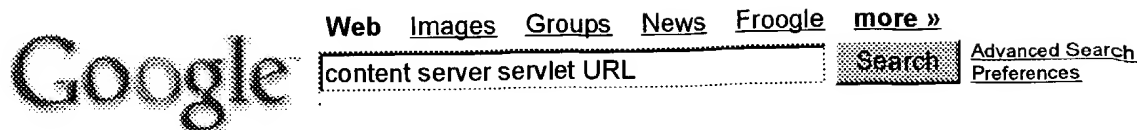
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**Web**Results 1 - 10 of about 150,000 for content server servlet URL. (0.24 seconds)**Servlets.com**

... cannot tell that the **server** sent compressed **content** to the browser—except perhaps with reduced download times. It's disabled because the **servlet** would happily ...

[servlets.com/jervlet2/examples/ch06/ - 27k - Sep 2, 2004 - Cached - Similar pages](#)

**Plumtree Application Management - Content Server Diagnostics**

... If the SOAP **Server URL** is correct, make sure that ... java:178) at com.plumtree.**content**.client.http ... service(HttpJspBase.java:137) at javax.**servlet**.http.HttpServlet ...

[www.gov.bm/.../PTARGS\\_0\\_2\\_1526\\_252\\_-252\\_43/ http%3B/portalcontent.gov.bm%3B8080/ptcs/console/index.jsp - 32k - Cached - Similar pages](#)

**Interface javax.servlet.http.HttpServletResponse**

... request cannot be handled without a defined **Content-Length** . ... Status code (505) indicating that the **server** does not ... All URLs emitted by a **Servlet** should be run ...

[java.sun.com/products/servlet/2.1/ api/javax.servlet.http.HttpServletResponse.html - 38k - Cached - Similar pages](#)

**Administration and Configuration**

... Set the **content** type ... can test your HTTP **servlet** directly by typing the **servlet URL** into the ... For our example, running on a WebLogic **Server** at the default location ...

[www.weblogic.com/docs51/classdocs/API\\_servlet.html - 101k - Sep 3, 2004 - Cached - Similar pages](#)

**Distributed module**

... are configured in the same manner as the ZDAC **Content servers**, however, as the **Servlet** class file name is passed to the **Servlet Server** in the **URL**, no service ...

[www.zeus.com/extra/docsystem/ docroot/apps/web/docs/modules/distributed/ - 7k - Cached - Similar pages](#)

**Jetty: Resources:Tutorial**

... **servlet** within a webapplication that serves static **content**. ... and at least the ServletHandler with the **server**. ... use dynamic mapping to extract **servlet** names from ...

[jetty.mortbay.org/jetty/tut/Server.html - 27k - Cached - Similar pages](#)

**Java Tip 94: How to open a non-HTML document from a servlet**

... res.setHeader("**Content-disposition**", "attachment; filename" + "Example ... object with your proxy **server** information: ... the InputStream to the **servlet's** OutputStream ...

[www.javaworld.com/javaworld/javatips/jw-javatip94.html - Similar pages](#)

**Servlets in Apache Tomcat and BEA Systems' WebLogic Server**

... you will be constructing an HTML page, in which case the **content** type should be ... Test the **servlet** To test your **servlet**, start the Tomcat **server**, open a Web ...

[www.javaworld.com/javaworld/ jw-02-2001/jw-0223-servletweblogic.html - Similar pages](#)

[ More results from [www.javaworld.com](#) ]

**Re: Xmlc: Accessing relative static content from XMLC templates.**

... The problem with this approach is the **servlet** context is not taken into account and all static **content** is relative the application **server** root which ...

[mail-archive.objectweb.org/xmlc/2002-08/msg00074.html - 10k - Cached - Similar pages](#)

**javaprepare: Questions on Servlets**

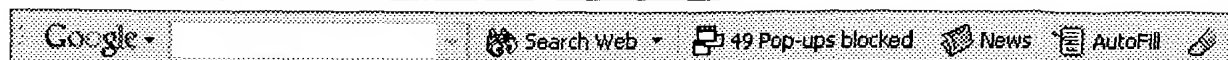
... to a HEAD request consists of status line, **content** type and ... class can be used to access one **servlet** from another ... only if no output has been sent to the **server**. ...

[www.javaprepare.com/scwd/quests/servlet.html - 10k - Cached - Similar pages](#)

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Relevance scale ☐ ☐ ☐ ☐ ☐1 [iMobile EE: an enterprise mobile service platform](#)

Yih-Farn Chen, Hualie Huang, Rittwik Jana, Trevor Jim, Matti Hiltunen, Sam John, Serban Jora, Radhakrishnan Muthumanickam, Bin Wei

July 2003 **Wireless Networks**, Volume 9 Issue 4

Full text available: pdf(2.90 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

iMobile<sup>1</sup> is an enterprise mobile service platform that allows resource-limited mobile devices to communicate with each other and to securely access corporate contents and services. The original iMobile architecture consists of devlets that provide protocol interfaces to different mobile devices and infolets that access and transcode information based on device profiles. iMobile Enterprise Edition (iMobile EE) is a redesign of the original iMobile architecture to address the security, ...

**Keywords:** content transcoding, middleware, mobile devices, mobile enterprise, mobile multimedia services

2 [Intermediaries personalize information streams](#)

Paul Maglio, Rob Barrett

August 2000 **Communications of the ACM**, Volume 43 Issue 8

Full text available: pdf(304.91 KB)

html(26.83 KB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)3 [Mobile commerce for financial services—killer applications or dead end?](#)

Michael Semrau, Achim Kraiss

April 2001 **ACM SIGGROUP Bulletin**, Volume 22 Issue 1

Full text available: pdf(469.50 KB)

Additional Information: [full citation](#), [abstract](#), [index terms](#)

Since mobile commerce (m-commerce) started to be intensively discussed in the press, financial service companies are said to be the winners of m-commerce. But looking at existing m-commerce applications, you will find *really* interesting information only on few sites. In addition, there are many of these applications, which are just in a prototype state and not yet available to the customers. Based on the lessons we have learned from building prototype and productive m-commerce application ...

4 [Wireless trading in B2B markets: concepts, architecture, and experiences](#)

Jakka Sairamesh, Ioana Stanoi, Chung-Sheng Li, Brad Topol

July 2001 **Proceedings of the 1st international workshop on Mobile commerce**

Full text available:  [pdf\(534.56 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


With the tremendous advances in hand-held computing and communication capabilities, and the rapid proliferation of mobile devices, we are seeing a growth in mobile commerce in various consumer and business markets. In this paper, we present a novel architecture for end-to-end mobile commerce applications. We designed, implemented and deployed a system for mobile commerce connected to eMarketplaces. The system is currently undergoing trials under various configurations and in various countries ...

**Keywords:** WAP, architecture, auctions, electronic commerce, mobile commerce, performance, state-machines and experimentation, trading, transcoding proxy

##### 5 [Managing the storage and battery resources in an image capture device \(digital camera\) using dynamic transcoding](#)

Surendar Chandra, Carla Schlatter Ellis, Amin Vahdat

August 2000 **Proceedings of the 3rd ACM international workshop on Wireless mobile multimedia**

Full text available:  [pdf\(970.10 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Advances in hardware imaging technology and user demand for convenient mobile electronic image capture are fueling the development of inexpensive image capture devices that can acquire images rivaling the image quality of photographic film. Improvements in the hardware imaging technology have to be matched with intelligent image storage mechanisms that are aware of local storage and battery constraints. In this paper, we explore using a dynamic, informed image transcoding technique to manage ...

##### 6 [Knowledge encapsulation for focused search from pervasive devices](#)

Yariv Aridor, David Carmel, Yoelle S. Maarek, Aya Soffer, Ronny Lempel

January 2002 **ACM Transactions on Information Systems (TOIS)**, Volume 20 Issue 1

Full text available:  [pdf\(2.43 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


Mobile knowledge seekers often need access to information on the Web during a meeting or on the road, while away from their desktop. A common practice today is to use pervasive devices such as Personal Digital Assistants or mobile phones. However, these devices have inherent constraints (e.g., slow communication, form factor) which often make information discovery tasks impractical. In this paper, we present a new focused-search approach specifically oriented for the mode of work and the constraints ...

**Keywords:** Focused searches, disconnected search, knowledge agents, pervasive devices

##### 7 [Map adaptation for users of mobile systems](#)

Dan Chalmers, Morris Sloman, Naranker Dulay

April 2001 **Proceedings of the tenth international conference on World Wide Web**


Full text available:  [pdf\(298.59 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

**Keywords:** adaptive application, quality of service

##### 8 [Mobility and Wireless Access: A web middleware architecture for dynamic customization of content for wireless clients](#)

Jesse Steinberg, Joseph Pasquale

May 2002 **Proceedings of the eleventh international conference on World Wide Web**

Full text available:  [pdf\(224.43 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


We present a new Web middleware architecture that allows users to customize their view of the Web for optimal interaction and system operation when using non-traditional resource-limited client machines such as wireless PDAs (personal digital assistants). Web Stream Customizers (WSC) are dynamically deployable software modules and can be strategically located between client and server to achieve improvements in performance, reliability, or security. An important design feature is that Customizer ...

**Keywords:** HTTP, middleware, mobile code, proxy, wireless

9 Papers: On the move: From desktop to phonetop: a UI for web interaction on very small devices

Jonathan Trevor, David M. Hilbert, Bill N. Schilit, Tzu Khiau Koh

November 2001 **Proceedings of the 14th annual ACM symposium on User interface software and technology**

Full text available:  pdf (1.34 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


While it is generally accepted that new Internet terminals should leverage the installed base of Web content and services, the differences between desktop computers and very small devices makes this challenging. Indeed, the browser interaction model has evolved on desktop computers having a unique combination of user interface (large display, keyboard, pointing device), hardware, and networking capabilities. In contrast, Internet enabled cell phones, typically with 3-10 lines of text, sacrifice ...

**Keywords:** PDA, Web browsing, transcoding, transducing, web phone, wireless web

10 Measuring and characterizing end-to-end Internet service performance

Ludmila Cherkasova, Yun Fu, Wenting Tang, Amin Vahdat

November 2003 **ACM Transactions on Internet Technology (TOIT)**, Volume 3 Issue 4

Full text available:  pdf (1.46 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Fundamental to the design of reliable, high-performance network services is an understanding of the performance characteristics of the service as perceived by the client population as a whole. Understanding and measuring such end-to-end service performance is a challenging task. Current techniques include periodic sampling of service characteristics from strategic locations in the network and instrumenting Web pages with code that reports client-perceived latency back to a performance server. Li ...

**Keywords:** End-to-end service performance, QoS, network packet traces, passive monitoring, reconstruction of web page composition, web site performance

11 Condor grid computing from mobile handheld devices

Francisco J. González-Castaño, Javier Vales-Alonso, Miron Livny, Enrique Costa-Montenegro, Luis Anido-Rifón

April 2002 **ACM SIGMOBILE Mobile Computing and Communications Review**, Volume 6 Issue 2

Full text available:  pdf (199.54 KB)


Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In this paper, we propose a hierarchical design methodology for grid access from handheld devices. After determining all user interactions required and technologies available, they are arranged in layers. All functions in a layer are also supported by all underlying layers. By doing so, the designer is less conditioned by the constraints of a specific, out-of-context platform. Additionally, in a stratified modular design, many software components can be re-used. We present a prototype to access ...

12 Papers from MC<sup>2</sup>R open call: Condor grid computing from mobile handheld devices

Francisco J. González-Castaño, Javier Vales-Alonso, Miron Livny, Enrique Costa-Montenegro,

Luis Anido-Rifón

January 2003 **ACM SIGMOBILE Mobile Computing and Communications Review**, Volume 7  
Issue 1Full text available:  pdf(2.65 MB)Additional Information: [full citation](#), [abstract](#), [references](#)

In this paper, we propose a hierarchical design methodology for grid access from handheld devices. After determining all user interactions required and technologies available, they are arranged in layers. All functions in a layer are also supported by all underlying layers. By doing so, the designer is less conditioned by the constraints of a specific, out-of-context platform. Additionally, in a stratified modular design, many software components can be re-used. We present a prototype to access ...

**13 Integrating digital libraries by CORBA, XML and Servlet**

Wing Hang Cheung, Michael R. Lyu, Kam Wing Ng

January 2001 **Proceedings of the first ACM/IEEE-CS joint conference on Digital libraries**Full text available:  pdf(136.84 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In this paper, we describe how we use a mediator-based architecture for integrating digital libraries. We discuss how we tackle the obstacles of firewalls in the expansion of our system by using XML and Java Servlet, which are used to achieve CORBA general communications and callback features across the firewalls.

**14 Database and digital library technologies: DANA (Digital Archive Network for Anthropology): a model for digital archiving**

Jeffrey T. Clark, Brian M. Slator, Aaron Bergstrom, Francis Larson, Richard Frovarp, James E. Landrum, William Perrizo, William Jockheck

March 2002 **Proceedings of the 2002 ACM symposium on Applied computing**Full text available:  pdf(571.92 KB)Additional Information: [full citation](#), [abstract](#), [index terms](#)

This is a report of work on an internet-based digital library called the Digital Archive Network for Anthropology (DANA). DANA provides a model for a generalized method for implementing digital archives. This federation of databases will link researchers, students, and the general public to distributed databases that include realistic, accurate, three-dimensional (3D), visual representations of artifacts, fossils, and other objects, along with 2D digitized documents (e.g., maps, plan views, exca ...

**Keywords:** Digital Archive Network**15 Managing resources and services: Metis: lightweight, flexible, and Web-based workflow services for digital libraries**

Kenneth M. Anderson, Aaron Andersen, Neet Wadhwani, Laura M. Bartolo

May 2003 **Proceedings of the third ACM/IEEE-CS joint conference on Digital libraries**Full text available:  pdf(154.93 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The Metis project is developing workflow technology designed for use in digital libraries by avoiding the assumptions made by traditional workflow systems. In particular, digital libraries have highly distributed sets of stake-holders who nevertheless must work together to perform shared activities. Hence, traditional assumptions that all members of a workflow belong to the same organization, work in the same fashion, or have access to similar computing platforms are invalid. The Metis approach ...


**16 Session 4: video processing and transformation: Rate adaptation transcoding for precoded video streams**

Zhijun Lei, Nicolas D. Georganas

December 2002 **Proceedings of the tenth ACM international conference on Multimedia**

Full text available:

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index](#)

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In order to transmit pre-encoded digital video over heterogeneous networks, it is necessary to employ transcoding techniques that convert pre-encoded video streams into streams having different bit rates and quality. The specified problem is referred to as rate shaping or rate adaptation. In this work, we propose a new rate control scheme for H.263+ based video transcoding. The proposed rate control scheme is comprised of Frame-Layer bit allocation and Macroblock-Layer rate control. At the frame ...

**Keywords:** rate adaptation, rate quantization, scene variations, video transcoding

17 Database & data management: Digital asset management using a native XML database implementation

Shalaka Natu, John Mendonca

October 2003 **Proceeding of the 4th conference on Information technology curriculum**

Full text available:  pdf(196.63 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Digital Asset Management (DAM), the management of digital content so that it can be cataloged, searched and re-purposed, is extremely challenging for organizations that rely on image handling and expect to gain business value from these assets. Metadata plays a crucial role in their management, and XML, with its inherent support for structural representation, is an ideal technology for this. This paper analyzes the capabilities of a native XML database solution via the development of a "proof of ...

**Keywords:** DAM, XML database, digital asset management, digital images

18 Database and digital library technologies: DL-COTF: an XML based digital library for U.S. Navy's operational test and evaluation force

Kurt Maly, Mohammad Zubair, S. Balusani, A. Mathur, S. Sudeep, W. Wolters

March 2002 **Proceedings of the 2002 ACM symposium on Applied computing**


Full text available:  pdf(631.96 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper describes the development of the XML based digital library (DL-COTF) for the United States Navy's operational test and evaluation command (COMOPTEVFOR). COMOPTEVOR tests new systems (weapons, ships, aircraft, etc.) that industry develops and dependent upon test results, the Navy purchases. Each development spans several years and has a large number of documents in various formats. These related documents that all belong to a specific program are required to be available electronically ...

19 Transcode. A System of Automatic Coding for FERUT

J. N. P. Hume, Beatrice H. Worsley


October 1955 **Journal of the ACM (JACM)**, Volume 2 Issue 4

Full text available:  pdf(429.52 KB) Additional Information: [full citation](#), [references](#), [index terms](#)

20 Digital libraries for spatial data: The ADEPT digital library architecture

Greg Janée, James Frew

July 2002 **Proceedings of the second ACM/IEEE-CS joint conference on Digital libraries**

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The Alexandria Digital Earth ProtoType (ADEPT) architecture is a framework for building distributed digital libraries of georeferenced information. An ADEPT system comprises one or more autonomous libraries, each of which provides a uniform interface to one or more collections, each of which manages metadata for one or more items. The primary standard on which the architecture is based is the ADEPT bucket framework, which defines uniform

client-level metadata query services that are compatible w ...

**Keywords:** bucket framework, collection discovery, distribution, interoperability, metadata

Results 1 - 20 of 200

Result page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [next](#)

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